

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning on page 1, line ¹⁵~~14~~ and ending on page 1, line 16 with the following amended paragraph:

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This invention relates ~~according to claim 1 to a method of depositing a~~ to wear resistant seal coating coatings and a seal system ~~according to claim 6~~ systems including such coatings.

Please replace the paragraphs beginning on page 3, line 14 and ending on page 3, line 25 with the following amended paragraphs:

According to the invention disclosed herein ~~is a method of deposition~~ depositing a wear resistant seal coating ~~was found described in the features of the claim 1 and a seal system according to claim 6.~~

In the duplex layer approach, the upper layer of the coating contains a higher volume fraction of chromium carbide than the layer below. In general, the seal system can be built up of multiple layers, each layer has an increasing amount of carbide content, with highest carbide content being in the top layer. The higher activity of chromium ~~translate~~ translates to formation of a chromium rich under layer which slows down the mobility of cobalt hence reduce the growth of the cobalt oxide on the surface. Therefore, in this case, the necessity of pre-heat-treatment of coating to form chromium containing scale is not essential.